

ABSTRACT

## TURNING DEVICE FOR LUMBER AND THE LIKE

5           A turning device for use in concert with a  
conveyor adapted to feed elongated wood pieces  
one-by-one to the turning device comprises at least  
one turning member moveable between an idle position  
and an operational position, a sensor located  
10 upstream of the turning member, for scanning the wood  
pieces on the conveyor, and an deflector controlled  
by the sensor and adapted, when actuated, to  
selectively cause the turning member to be displaced  
to the operational position for turning a given  
15 elongated wood piece on the conveyor to a desired  
position. The turning member is pivotally mounted to  
a motorised chain for continuously displacing the  
turning member adjacent the conveyor. The turning  
member also includes a guide pin, and the chain  
20 drives the turning member along a closed-loop guide  
track, the turning member having its guide pin  
engaged in the track. The guide track defines a main  
section and a secondary section, wherein when in the  
main section, the turning member remains in its idle  
25 position, whereas when the turning member engages the  
secondary section, it is displaced to its operational  
position. The deflector is pivotally displaceable  
between first and second positions by the sensor,  
whereby in the first position, the turning member  
30 displaces in the main section in its idle position,  
whereas in the second position, the turning member is  
guided so as to displace in the secondary section in  
its operational position.